

OR

Discuss bioremediation of radioactive wastes.

- 3 Answer the following:
 - (i) Describe the importance of phosphate-solubilizing microbes as biofertilizers.
 - (ii) Discuss various microbes used as biopesticides.
- 4 Answer any **two** of the following:

14

- (i) Discuss the effects of heavy metals on microbes and higher organisms.
- (ii) Describe various schemes to reduce carbon emissions.
- (iii) Describe alternative energy sources.
- **5** Write short notes on any **two** of the following:

14

- (i) Species concept
- (ii) Biodiversity and Agriculture
- (iii) Habitat destruction
- (iv) Endangered Species Management.